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NPIC/TSSG/DED-1436-69

MEMORANDUM FOR: Chief, Procurement Division, OL

ATTENTION : SUBJECT : Resolution Specifications for the Dual Viewing Micro-
stereoscope Model II, REFERENCE : Letter, Dated 31 October 1968

1. Resolution specifications for the Dual Viewing Microstereoscope, Model II, as listed in Section 1.2.1 of the Design Specifications and Work Statement for the instrument do not indicate whether the specified values of resolution are to be met at the "best position" or the "worst position" of the pechan prism incorporated in the viewer. The prototype model of the instrument meets or exceeds the specified resolution requirements at the "best position" of the pechan prism but will not meet the requirements at the "worst position" of the pechan prism.

2. In order to more accurately define the resolution requirements for the instrument, Section 1.2.1 of the Design Specifications and Work Statement for this contract should be amended to read as follows:

1.2.1 Resolution:

Using a high contrast resolution target the following resolution levels shall be achieved or exceeded in each optical path at the "best position" of the pechan prism.

MAGNIFICATION

RESOLUTION
On-Axis Off-Axis

10.7X	63	50
25.0	134	94
36.3	189	134
42.5	212	150
57.5	283	200
68.0	317	225
75.0	356	267

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SUBJECT: Resolution Specifications for the Dual Viewing Microstereoscope
Model II, [REDACTED]

Using a high contrast resolution target, the following resolution levels shall be achieved or exceeded in each optical path at the "worst position" of the pechan prism.

<u>MAGNIFICATION</u>	<u>RESOLUTION</u>	
	<u>On-Axis</u>	<u>Off-Axis</u>
10.7X	50	50
25.0	116	94
36.3	161	134
42.5	181	150
57.5	238	200
68.0	278	225
75.0	304	240

The following sentence in Section 1.2.1 which reads "the prototype... participating." shall be retained. The final sentence of the section which reads "if any adjustment... to the contract." shall be deleted.

[REDACTED]
Chief, Technical Services & Support Group,
NPIC

Attachment:

[REDACTED] Letter, dated 31 Oct 68

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NPIC TSSG/DED/R&DB-II, [REDACTED] (15 Jan 69)

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